BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92.

DRAFT TENDER SCHEDULE

Name of Work: Drilling of New Borewell and Installing Pump, Motor, Providing Pipeline and Construction of Rain Water Harvesting at Providing Cement Concrete Road etc at Kogilu, Indira Canteen in Ward No. 05.

Sl. No.	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
1	1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW	2065.00	Rupees Two Thousand Sixty Five Only
2	50.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr	315.18	Rupees Three Hundred Fifteen And Paise Eighteen Only
	50.00	50 to 100 m	Rmtr	412.00	Rupees Four Hundred Twelve Only
	50.00	100 to 150 m	Rmtr	458.35	Rupees Four Hundred Fifty Eight And Paise Thirty Five Only
	50.00	150 to 200 m	Rmtr	484.10	Rupees Four Hundred Eighty Four And Paise Ten Only
	50.00	200 to 250 m	Rmtr	560.32	Rupees Five Hundred Sixty And Paise Thirty Two Only
	50.00	250 to 300 m	Rmtr	600.49	Rupees Six Hundred And Paise Forty Nine Only
	30.00	300 to 350 m	Rmtr	622.00	Rupees Six Hundred Twenty Two Only

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				In Figures	In Words
3	60.00	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	18.00	Providing 250mm dia PVC Pipe 6kg/cm etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	1100.00	Rupees One Thousand One Hundred Only
5	1	Providing and fixing 160mm Borewell Cap etc., complete and as per the directions of the Engineer-in-charge of the work	Each	100.00	Rupees One Hundred Only
6	1	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	No	65400.00	Rupees Sixty Five Thousand Four Hundred Only
7	300.00	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	457.92	Rupees Four Hundred Fifty Seven And Paise Ninety Two Only
8	50	Heavy Duty Collar 50 mm dia	Nos	130.00	Rupees One Hundred Thirty Only
9	580.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	188.70	Rupees One Hundred Eighty Eight And Paise Seventy Only
10	50	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) etc., complete and as per the directions of the Engineer-in-charge of the work	Per Length	88.00	Rupees Eighty Eight Only
11	1	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	302.00	Rupees Three Hundred Two Only

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				In Figures	In Words
12	30.00	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	140.40	Rupees One Hundred Forty And Paise Forty Only
13	30.00	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	10.80	Rupees Ten And Paise Eighty Only
14	25.00	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	85.00	Rupees Eighty Five Only
15	4.00	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	345.00	Rupees Three Hundred Forty Five Only
16	1	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	280.00	Rupees Two Hundred Eighty Only
17	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
18	6	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	180.00	Rupees One Hundred Eighty Only
19	1	Providing and fixing in position **50mm** nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	1585.76	Rupees One Thousand Five Hundred Eighty Five And Paise Seventy Six Only
20	1	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	227.90	Rupees Two Hundred Twenty Seven And Paise Ninety Only

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				In Figures	In Words
21	4	SSupplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work	No	104.30	Rupees One Hundred Four And Paise Thirty Only
22	1	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	1486.00	Rupees One Thousand Four Hundred Eighty Six Only
23	1	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	415.00	Rupees Four Hundred Fifteen Only
24	23400.00	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Sq.Cm	0.33	Rupees And Paise Thirty Three Only
25	1	Supplying fully automatic store detta starter unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor **Above 15 HP upto 25 HP** etc., complete and as per the directions of the Engineer-in-charge of the work	No.	8273.00	Rupees Eight Thousand Two Hundred Seventy Three Only
26	67.50	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	200.34	Rupees Two Hundred And Paise Thirty Four Only
27	150.00	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing etc., complete and as per the directions of the Engineer-in-charge of the work	m	368.88	Rupees Three Hundred Sixty Eight And Paise Eighty Eight Only
28	67.50	**Refilling available earth** around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	76.00	Rupees Seventy Six Only

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29	3.98	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	200.34	Rupees Two Hundred And Paise Thirty Four Only
30	3.00	Laying Reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. **1200 mm** dia etc., complete and as per the directions of the Engineer-in-charge of the work	m	11921.82	Rupees Eleven Thousand Nine Hundred Twenty One And Paise Eighty Two Only
31	0.47	Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	2240.84	Rupees Two Thousand Two Hundred Forty And Paise Eighty Four Only
32	0.71	0734 - Supply and Providing Aggregate 53 mm nominal size etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	720.00	Rupees Seven Hundred Twenty Only
33	0.47	0750 - Supply and Providing Aggregate 40 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	800.00	Rupees Eight Hundred Only
34	0.47	0749 - Supply and Providing Aggregate 20 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1000.00	Rupees One Thousand Only
35	0.47	0731 - Supply and Providing Sand etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1450.00	Rupees One Thousand Four Hundred Fifty Only
36	35.33	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate	Sqm	1856.67	Rupees One Thousand Eight Hundred Fifty Six And Paise Sixty Seven
37	1.00	Constructing brick masonry inspection chamber **455x610mm, and 450mm depth**, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Nos	7463.46	Rupees Seven Thousand Four Hundred Sixty Three And Paise Forty Six Only
38	3.98	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	112.44	Rupees One Hundred Twelve And Paise Forty Four Only

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39	10.00	Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing etc., complete and as per the directions of the Engineer-in-charge of the work	m	421.88	Rupees Four Hundred Twenty One And Paise Eighty Eight Only
40	9.00	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	5159.02	Rupees Five Thousand One Hundred Fifty Nine And Paise Two Only
41	6.00	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	6231.74	Rupees Six Thousand Two Hundred Thirty One And Paise Seventy Four Only
42	16.00	Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification etc., complete and as per the directions of the Engineer-in-charge of the work	m	147.34	Rupees One Hundred Forty Seven And Paise Thirty Four Only
43	60.00	**Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	95.40	Rupees Ninety Five And Paise Forty Only

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